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GitHub Profile: <https://github.com/jonathanpperry>

Personal Portfolio: <https://jonathanperry.info/>



OVERVIEW:

Full-stack web developer and software engineer with a demonstrated history of building efficient software in defense, e-commerce, and other industries.

Technical/Language Skills

Programming

- | | | |
|--------------|----------|--------|
| ▪ JavaScript | ▪ C# | ▪ HTML |
| ▪ Angular.js | ▪ C++ | ▪ XML |
| ▪ Node.js | ▪ Python | ▪ CSS |
| ▪ Java | ▪ PHP | ▪ SQL |

Programming Libraries/Frameworks

- | | | |
|---------|--------------|-------------|
| ▪ Redux | ▪ Angular.js | ▪ React |
| ▪ Vue | ▪ Pandas | ▪ Alpine.js |

Database and Cloud Tools

- | | | |
|-------------|--------------|-------|
| ▪ MySQL | ▪ PostgreSQL | ▪ SSH |
| ▪ AWS Cloud | | |

Application Development Tools

- | | | |
|----------------------|------------------|-------------|
| ▪ Visual Studio Code | ▪ Git | ▪ Bitbucket |
| ▪ Visual Studio | ▪ Android Studio | ▪ Docker |
| ▪ Jira | | |

Other Software Proficiencies

- | | | |
|--------------------|----------|---------|
| ▪ Microsoft Office | ▪ Matlab | ▪ Unity |
| ▪ Unreal Engine | | |

Training, Licenses, Certifications and Other Training

- | |
|---|
| • Pursuing AWS Certified Cloud Practitioner certification |
| • Studying SAFe Agile concepts, principles, and practices of the Scaled Agile Framework |
| • Foreign Language: Intermediate Japanese language; N3 level proficiency (Recent JLPT N2 74/180 JLPT N2 score) |

- **Salesforce Trailhead** - Mountaineer rank of 25 skill badges, including JavaScript Essentials for Salesforce Developers, Asynchronous Apex, Lightning Web Components Basics, Lightning Platform API Basics, CRM for Lightning Experience, and others. URL: <https://trailblazer.me/id/jonathanperry>
- **LinkedIn Learning** - Diversity, Inclusion, and Belonging, Effective Listening, Building Resilience as a Leader, Body Language for Authentic Leadership, and others, demonstrating an initiative and willingness to learn leadership and communication skills outside the limits of my current work responsibilities
- **Fannie Mae HomeView** Course certification

Education:

B.S.E. Computer Science and Engineering, cum laude

University of Michigan-Ann Arbor, May 2015

Work Experience:

Software Engineer II / Ziff Davis Shopping / 2023

Ziff Davis is a vertically focused digital media and internet company whose portfolio includes leading brands in technology, shopping, gaming and entertainment, connectivity, health, cybersecurity, and martech.

- ◇ On the Workshop Team, developed in PHP, Laravel, Alpine.js and other technologies delivering improvements to offers.com, blackfriday.com, and other apps in the Ziff Davis portfolio. Increased SEO (Search Engine Optimization) efficiency by up to 50% using Google Tag Manager.
- ◇ Specific responsibilities in Alpine.js include toggling modal menus, pass state to components, and handling click events. Directives used include x-data, x-on, x-if, x-show, and x-bind.
- ◇ Attended daily standups, reviewed JIRA backlog, and used issues integrated into Github pull requests to manage daily tasks.

Software Engineer / Give and Take, Inc. / 2022-2023

Give and Take is a knowledge collaboration platform utilizing the principles of generalized reciprocity and the proven methods of the Reciprocity Ring.

- ◇ Delivered bug fixes and updates on the Givitas software application, moving the user interface to a modern and updated look and feel. Migrated the flagship product from Rails 4 to 6, updated the Cordova mobile app and improved the CI/CD pipeline on AWS.
- ◇ Attended daily standups, used JIRA for task management, and developed both front-end and back-end features on the Givitas flagship product.
- ◇ *Stack:* React front-end, Ruby backend (PostgreSQL DB), Redux, AWS infrastructure, Docker

Lived in Japan / Various Companies, Various Jobs / 2018 to 2021

- ◇ While on a work visa I was able to experience Japan working in various capacities for various companies.
- ◇ *Work titles included:* Applications Engineer, Software Engineer, Assistant Language Teacher, English Instructor
- ◇ *Companies worked for:* Rakuten Group, K.K., Mighty Craft, K.K., Fuji TV Lab, Joytalk, KK., English Cafe Clock
 - ✓ For Rakuten Group, Inc. (a leading global company that contributes to society by creating value through innovation and entrepreneurship), worked as a front-end engineer in the Data Platform Department, working in the Platform Development Group. Developed an

application to manage user access to data within various big data sources. Improved front-end interface, increasing search filter efficiency by over 80%.

- Stack/tooling: React.js front-end, Ant Design UI, Redux state management, Storybook.js
- ✓ At Mighty Craft (a mobile game development, mobile, and web solution services company), developed a hybrid mobile application for a make-up company. The application showed product info, deals, and coupons, allowed users to accumulate store points in-app, and locate stores on a map integration.
 - Stack: JavaScript, Ionic Framework, PHP/Laravel, React Native
- ✓ Fuji TV Lab was a former subsidiary of Fuji TV that ran and operated Japan Info, a website sharing useful advice and articles in various foreign languages regarding life in Japan to promote a better lifestyle and provide guidance for foreigners in Japan. As part of this company, wrote an employment engine cross-platform mobile application to display job openings. Produced a full-stack web application including persistence of authentication state and resume file upload. Used Google Firestore database for storage of data.
 - Stack: Vue.js front-end/Firebase back-end (Firestore NoSQL DB, cloud storage, cloud functions)

Software Engineer 2 / Northrop Grumman Corporation / 2017

Northrop Grumman (one of the largest Government/Defense contractors with \$30B in annual revenue) solves the toughest problems in space, aeronautics, defense and cyberspace to meet the ever-evolving needs of its customers worldwide.

- ◇ Supported a DevOps workflow by installing and configuring JIRA and other Atlassian tools for use in a secure, locked-down environment.
- ◇ Developed a custom DSL (Domain-Specific Language) to implement a lab simulation platform (C++/Qt) to simulate how a relevant aircraft would be navigated in a real-life environment.
- ◇ Stack: DevOps tools (JIRA, Bitbucket), C#, Qt

Software Engineer 1 / Harris Corporation / 2015-2017

Harris Corporation (now L3Harris Technologies, as of 2019 is one of the largest Government/Defense contractors with \$7B in annual revenue)

- ◇ Within the Communications Systems business unit, contributed to the development of SkyFusion, an Angular web application using the System-Wide Information Management (SWIM) data exchange protocol to improve air traffic flow management (ATM).
- ◇ Developed an automated testing tool for a radio to ensure correctness of functionality. Used Python and PyCharm to develop testing framework.
- ◇ As part of the Electronic Systems business unit, developed an embedded radio system in C++ and its corresponding Android mobile controller application in Android Studio and Java.
- ◇ Stack: AngularJS, Java, C++, Android Studio, Python

Ongoing Personal Projects: Showcasing capabilities (2020 to present)

[Flowmazon](#) (E-commerce) – Concept Amazon clone that allows you to browse a project catalog, add items to cart, and merge carts together from anonymous to authenticated user. Purpose is to showcase a beautiful user interface (lacks true checkout functionality).

– [Flowmazon Link: nextjs-ecommerce-app-chi.vercel.app](#)

[Revolut Fintech App](#) – Whatsapp clone using React Native and Gifted Chat and React Native Reanimated to demonstrate messaging capabilities as well as demonstrate animations, tab bars, and other React Native features.

– Github Link: <https://github.com/jonathanpperry/revolut-fintech-clone>

[Whatsapp Clone](#) (Messaging) – Whatsapp clone using React Native and Gifted Chat and React Native Reanimated to demonstrate messaging capabilities as well as demonstrate animations, tab bars, and other React Native features.

– Github Link - <https://github.com/jonathanpperry/react-instagram>

[Jonny Ramen Blog](#) (Blogging) – A live blog site built using Next.js, Contentlayer, and Tailwind CSS to share regular life updates with my community.

– Link to live blog: <https://jonnyramen.netlify.app>

[Reacstagram.com](#) (Social Media) – Instagram project built with Firebase, Chakra UI, and Zustand state management to demonstrate CRUD database operations, and create a fun product for use within my developer network.

– Github Link - <https://github.com/jonathanpperry/react-instagram>

[Ionic Audio Player](#) (Music) – Music Media Player using Ionic, a hybrid mobile application framework, that plays some predetermined royalty-free tracks available on download.

– Published to Play Store: <https://play.google.com/store/apps/details?id=io.ionic.mediaplayer>

[Ionic Canvas Drawing App](#) (Drawing/Art) – Canvas drawing application implemented in Ionic Framework that allows you to create drawings using an Etch-a-sketch like model.

– Published to Play Store: <https://play.google.com/store/apps/details?id=io.jonnyramen.canvaspainter>